

BROCHURE



DPS

Digital Phase Converter

Salome Electronics Inc.

About us



EASA Exhibition in US

Myung Youn Electronics Co., Ltd. was established in 1973 based on technological capabilities and has focused on continuous technological innovation and customer satisfaction.

Digital Phase Converter, developed with the world's first digital technology, is exporting to over 70 countries around the world based on aggressive research investment and sales force, further strengthening the company's growth and competitiveness.

Based on our solid business know-how, we aim to expand our technology to the world and achieve mutual growth as a reliable business partner. Myung Youn Electronics executives and staff will become a global company that presents eco-friendly and energy-saving solutions required by the world based on 50 years of history and quality through technological innovation.

- All executives and staff of Myung Youn Electronics Co., Ltd.

Product Overview

DPS is a device that can be run a 3-phase motor with single-phase power and is a digital type phase converter that can be used for various machines at your workshop or home.

As you know, a wide variety of commercial and industrial electrical equipment require 3-phase power. Most residential homes and small workshops are not been installed with 3-phase power by electric utilities, because it costs significantly more than single phase installation.

Due to unavailability and high-cost installation of 3-phase power network, a phase converter is very important to address this problem.

That's why DPS is a good product to solve 3-phase power problems. We are the only company that manufactures DPS in the world.



DPS[®]

DIGITAL PHASE CONVERTER

0.25/0.5/1/2/3/5/7.5/10/15/20/25/30/40/50HP Series

UL CE RoHS VDE IEC

EST. 1973

MY-PS-5
MY-PS-15
MY-PS-20
MY-PS-25
MY-PS-30
MY-PS-35
MY-PS-40
MY-PS-50

Professional Brand of Digital Phase Converter
MYUNG YOUN ELECTRONICS CO., LTD.

Est. 1973

UL/CE certificate

DPS was achieved UL
Listed of US and Canada

Additionally, we got CE
and KC certificate



Certificate of Compliance

Certificate Number:
UL-US-2328605-3

Report Reference:
E529592-20230630

Issue Date:
2024-02-23

Issued to:
Myungyoun Electronics Co.,LTD
1057 Meadow Brook Dr Woodstock, GA 30188-6563
United States

This certificate confirms that representative samples of:
NMTR - Power Circuit and Motor-mounted Apparatus
See **Addendum Page for Product Designation(s)**.

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
UL 508, 18th Ed., Issue Date: 2018-03-30, Revision Date: 2021-07-08

Additional Information:
See UL Product IQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.
Look for the UL Certification Mark on the product.

David Piecuch
David Piecuch
UL Mark Certification Program Manager

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Certificate of Compliance

Certificate Number:
UL-CA-2324527-2

Report Reference:
E529592-20230630

Issue Date:
2024-02-23

Issued to:
Myungyoun Electronics Co.,LTD
1057 Meadow Brook Dr Woodstock, GA 30188-6563
United States

This certificate confirms that representative samples of:
NMTR7 - Power Circuit and Motor-mounted Apparatus Certified for Canada
See **Addendum Page for Product Designation(s)**.

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
CSA C22.2 No. 14, Edition 13, Issue Date 2018-03, Revision Date 2022-06

Additional Information:
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UL Mark Certification Program Manager

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How it works

- ➔ DPS is a product that can create a 220V 3-phase output from a 220V single-phase input.
- ➔ When the motor is running instantaneously, the one-phase is induced from the motor and the third-phase is completed.
(When the motor is not running, there is no 3-phase coming out of the DPS output.)

You can run 3-phase motor with single-phase power



Features

1. DPS can run 220V 3-phase motor with 220V single-phase power
2. Very easy to connect DPS and motor/Very easy to use
3. Small size & light weight
4. Even after the motor starts, 3-phase power continues to be supplied
5. Keeps out dust, moisture, and heat due to the sealed type
6. Achieved UL listed(UL-US-2328605-1, UL-CA-2324527-1)

Features

7. Excellent start-up torque
8. Efficiency is excellent versus other phase converters
9. Low failure rate
10. Designed to be non-flammable
11. Does not generate any high frequency
12. Lower power consumption

Dimension & Weight

No.	Model name	Size W x D x H (inch)	Net weight (lb)	Size W x D x H (cm)	Net weight(kg)
1	MY-PS-0.25	1.7 x 3.2 x 3.8	0.64	5 x 8.2 x 9.7	0.29
2	MY-PS-0.5				
3	MY-PS-1				
4	MY-PS-2				
5	MY-PS-3	3.1 x 4.5 x 6.1	1.54	8 x 11.5 x 15.4	0.7
6	MY-PS-5		1.76		0.8
7	MY-PS-7.5	3.9 x 4.7 x 7.2	2.7	9.9 x 12 x 18.3	1.2
8	MY-PS-10		2.8		1.3
9	MY-PS-15	5.7 x 4.9 x 9.1	5.3	14.5 x 12.5 x 23	2.3
10	MY-PS-20		5.4		2.4
11	MY-PS-25		5.4		2.4
12	MY-PS-30	8.0 x 5.2 x 13.8	11.5	20.4 x 13 x 35	5.2
13	MY-PS-40		11.9		5.4
14	MY-PS-50		12.3		5.6

Compare & Contrast

DPS

- Very easy to connect DPS and motor
- Small size & light weight
- Keeps out dust, moisture, and heat due to the sealed type
- Low failure rate
- Does not generate any high frequency
- One DPS must be used for one motor only

The only function of DPS is to convert 220V single-phase to 220V three-phase

VFD

- Can control frequency
- Hard to install VFD and motor
- Complicated and difficult to use
- Large in size and heavy due to a fan
- Weak to dust, moisture, and heat
- Make high frequency

Rotary phase converter

- Can be used on multiple motors
- Expensive
- Too heavy weight

Available to variety of machines

AC induction motor

Conveyor motor

Hydraulic motor

Fan motor

Pump motor

Submersible pump

Table saw

Car lift

Elevator

Hoist

Air compressor

High pressure washer

Press/Lathe

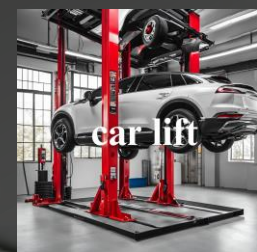
Meat grinder

Wood grinder

Crusher

Electric mixer

Forklift charger



Technical Data

DPS Model	Applied motor (AC 220V)	Input			Output				
		Voltage	Phase	Frequency	Voltage	Phase	Current	Frequency	Efficiency
MY-PS-0.5	0.25HP(0.2kW), 0.75A	AC 220V (± 10%)	Single-Phase	50Hz/60Hz	AC 220V (± 10%)	Three-phase	0.75A	50Hz/60Hz	90 - 95%
MY-PS-1	0.5HP(0.4kW), 1.5A						1.5A		
MY-PS-2	1HP(0.75kW), 3A						3A		
MY-PS-3	2HP(1.5kW), 6A						6A		
MY-PS-5	3HP(2.2kW), 9A						9A		
MY-PS-7.5	5HP(3.7kW), 15A						15A		
MY-PS-10	7.5HP(5.5kW), 23A						23A		
MY-PS-15	10HP(7.5kW), 30A						30A		
MY-PS-20	15HP(11kW), 45A						45A		
MY-PS-25	20HP(15kW), 60A						60A		
MY-PS-30	25HP(18.7kW), 75A						75A		
MY-PS-40	30HP(22.5kW), 90A						90A		
MY-PS-50	40HP(30kW), 120A						120A		

Salome Electronics Inc.

THANK YOU

